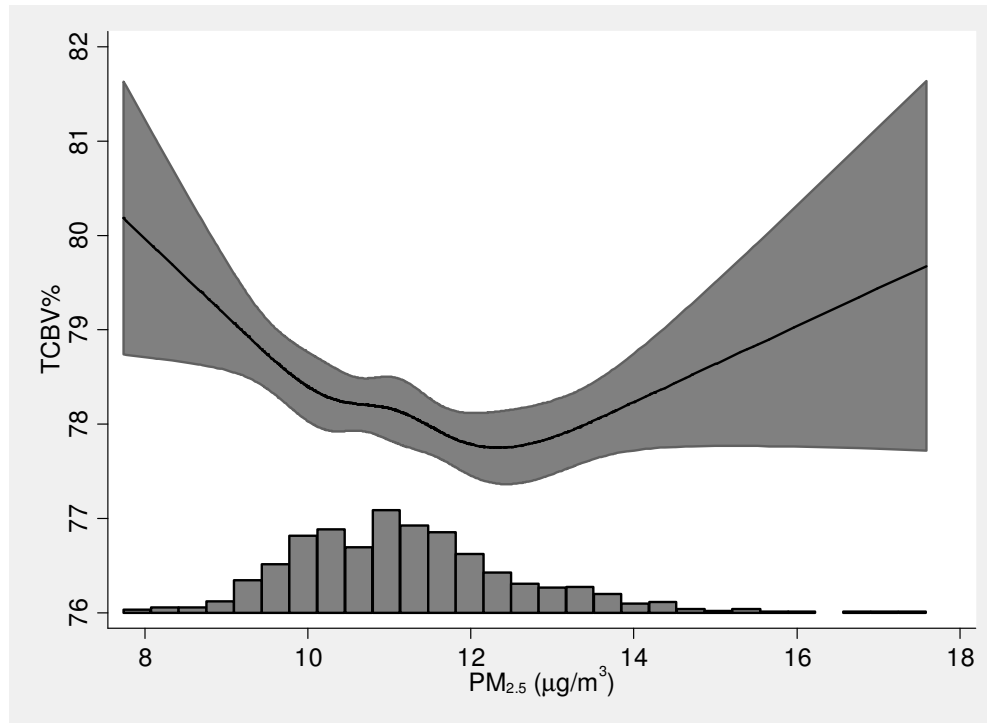


SUPPLEMENTAL MATERIAL

Supplemental Figure I: Non-linear association between $PM_{2.5}$ and total cerebral brain volume



Model 1 adjusted results for association between $PM_{2.5}$ (5 knots) and total cerebral brain volume. The spline indicates a steeper slope at lower levels of exposures. High levels of exposure were associated with higher brain volume, though confidence intervals in this range of the data were wide. Whether this pattern is due to a leveling off in the exposure-response relationship, the influence of outliers, or residual confounding remains unclear.